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(54) **Surface winder with pinch cutoff**

(57) A surface winder includes first (20) and second (22) winding rolls for winding a web on a center member, a stationary surface (27) spaced from the first winding roll for rolling a center member on the stationary surface, and a pinch pad (24) for pinching the web against a pinch surface upstream of the center member (c) and thereby severing the web. The first winding roll is provided with a high friction surface, and only a short length of web needs to be stretched between the pinch surface (25) and the first roll to tension and sever the web. The severed web is wound on the center member (c) as the center member rolls on the stationary surface.

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EUROPEAN SEARCH REPORT

Application Number
EP 99 12 2791

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A	WO 94 21545 A (PERINI EVA ;PERINI FABIO SPA (IT)) 29 September 1994 (1994-09-29) * page 9, line 28 - page 10, line 10; figures 1-8 *	27	
A	US 5 603 467 A (BIAGIOTTI GUGLIELMO ET AL) 18 February 1997 (1997-02-18) * column 4, line 56 - column 5, line 17; figures *	27	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B65H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 February 2001	Examiner Haaken, W
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-26

Surface winder with web pinching surface and movable pinch arm and method thereof

2. Claims: 27-31

Core delivery apparatus

ANNEX THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 12 2791

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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